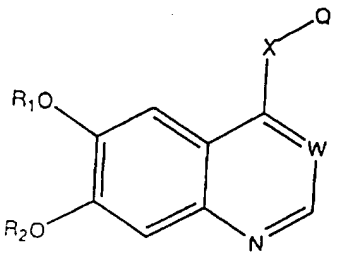
Patent Claims

1. Quinoline derivatives and quinazoline derivative represented by the following formula (I) and pharmacologically permitted salts thereof



(I)

[wherein, R1 and R2 are independently H, 1-5C alkyl or R1 and R2 bond together and form C1-3 alkylene,

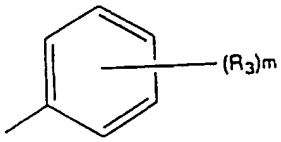
and W is CH or N,

wherein,

(1) when W is CH,

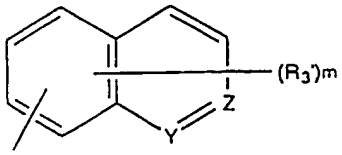
(a) X is O or S,

and Q is phenyl group represented by formula (II)



(II)

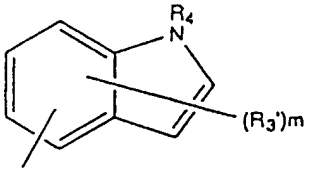
(wherein, m is 1, 2 or 3 and R3 is independently CN, OH, halogen, C1-5 alkyl, C1-4 alkoxy or C2-4 acyl), a group represented by formula (III)



(III)

(wherein, m has the same aforesaid meaning, R3' is independently OH, C1-5 alkyl, C1-4 alkoxy, and Y, Z are both or each independently N or CH)

or a group represented by formula (IV)

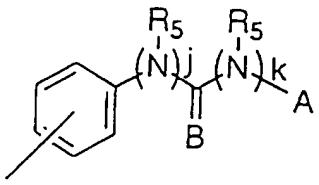


(IV)

(wherein, m and R3' have the same aforesaid meanings and R4 is H, C1-5 alkyl or C1-4C acyl),

(b) X is O, S or CH2,

and Q is formula (V)



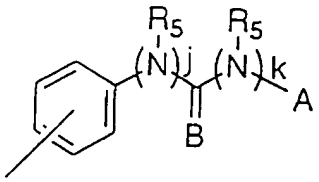
(V)

(wherein, j and k are independently 0 or 1, R5 is independently H or C1-4 alkyl, A is C1-8 alkyl, C1-5 alkenyl, cyclic (C3-10) alkyl, C1-4 alkoxycarbonyl, phenyl, naphthyl, furyl, thienyl, benzoyl, substituted benzoyl or C2-4C acyl, or 9- or 10-membered polycyclic heteroaryl group or 5- or 6-membered monocyclic heteroaryl group having 1 or 2 nitrogen atoms and also depending on the circumstances, optionally having one additional heteroatom selected from the nitrogen, oxygen and sulfur, wherein these alkyl groups, aryl groups or heteroaryl groups represented by A may have 1-5 substituents selected from the CN, NO_2, OH, NH_2, halogen, C1-5 alkyl, cyclic (C3-10) alkyl, C1-4 alkoxy, C1-4 alkoxycarbonyl, C1-5 acyl, C1-5 acyloxy, C1-3 alkylene dihydroxy, C1-4 alkylamino, di-(C1-4 alkyl) amino, CO_2H, $CONH_2$, N-(C1-4 alkyl) amide, N,N-di-(C1-4 alkyl) amide, C2-4 alkylamide, trifluoromethyl, C1-4 alkylthio, phenyl, substituted phenyl, phenoxy, substituted phenoxy, phenylthio, substituted phenylthio, phenyl (C1-4 alkyl), substituted phenyl (C1-4 alkyl), pyridyl, pyrazinyl, pyrimidinyl, pyridazinyl, pyrrolidinyl, piperidinyl, piperazinyl, homopiperazinyl, morpholinyl, quinolyl, quinazolinyl, benzoyl, substituted benzoyl or C2-4 acyl, and B is O, S, NH, NCN, NR6 or NOR6 (wherein, R6 is C1-5 alkyl)),

and

(2) whenW is N,

X is O, S or CH_2, and Q is formula (V)



(V)

(wherein, j, k, R5, A and B have the same aforesaid meanings)].

2. Quinoline derivatives and pharmacologically permitted salts thereof in accordance with Claim 1, wherein in formula (I), W is CH, X is O or S, and Q is represented by formula (II), formula (III) or formula (IV).

3. Quinoline derivatives and pharmacologically permitted salts thereof in accordance with Claim 1, wherein in formula (I), W is CH, X is O, and Q is represented by formula (II), formula (III) or formula (IV).

4. Quinoline derivatives, quinazoline derivatives and pharmacologically permitted salts thereof in accordance with Claim 1, wherein in formula (I), X is O, S or CH_2 and Q is represented by

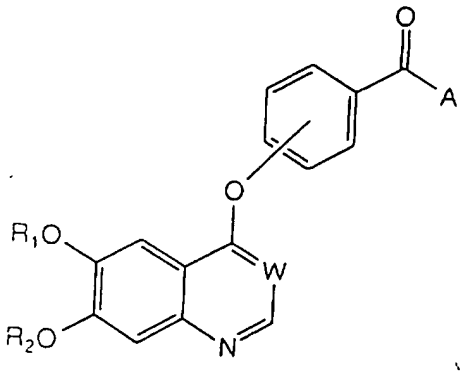
formula (V).

5. Quinoline derivatives, quinazoline derivatives and pharmacologically permitted salts thereof in accordance with Claim 1, wherein in formula (I), R1 and R2 are independently C1-5 alkyl, and Q is represented by formula (V) [in formula (V), j and k are 0, and B is O, S, NOR6 (wherein, R6 is C1-5 alkyl)].

6. Quinoline derivatives, quinazoline derivatives and pharmacologically permitted salts thereof in accordance with Claim 1, wherein in formula (I), R1 and R2 are independently C1-5 alkyl and Q is represented by formula (V) [in formula (V), j is 0 and k is 1, or j is 1 and k is 0, R5 is hydrogen or methyl, and B is O, S, NH, NCN, NR6 or NOR6 (wherein, R6 is C1-5 alkyl)].

7. Quinoline derivatives, quinazoline derivatives and pharmacologically permitted salts thereof in accordance with Claim 1, wherein in formula (I), R1 and R2 are independently C1-5 alkyl, and Q is represented by formula (V) [in formula (V), j and k are both 1, R5 is independently hydrogen or methyl, and B is O, S, NH, NCN, NR6 or NOR6 (wherein, R6 is C1-5 alkyl)].

8. Quinoline derivatives and quinazoline derivative represented by formula (VI), and pharmacologically permitted salts thereof

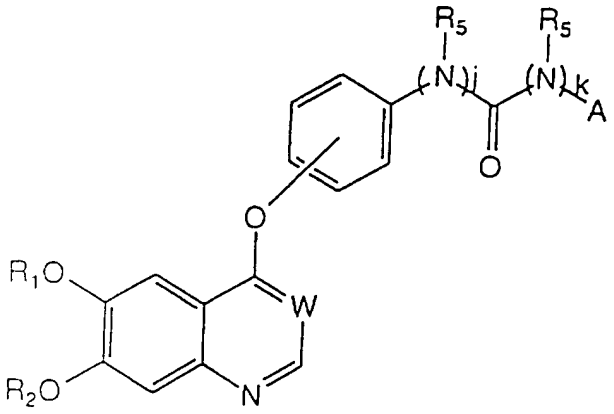


(VI)

(wherein, W is CH or N, R1 and R2 are independently C1-5 alkyl, and A is methyl, ethyl, propyl, isopropyl, butyl, isobutyl, s-butyl, t-butyl, pentyl, isopentyl, cyclopentyl, cyclohexyl, cycloheptyl, phenyl, naphthyl, furyl, thienyl, pyridyl or pyrimidinyl, wherein these alkyl groups, aryl groups or heteroaryl groups represented by A may have 1-5 substituents selected from the fluoro, chloro, bromo, iodo, cyano, hydroxy, nitro, amino, methylamino, dimethylamino, diethylamino, dipropylamino, dibutyl amino, trifluoromethyl, methyl, ethyl, propyl, isopropyl, butyl, isobutyl, s-butyl, t-butyl, methoxy, ethoxy, propoxy, isopropoxy, morpholino, pyrrolidino, piperidino or butoxy).

9. Quinoline derivatives and quinazoline derivative represented by formula (VII), and

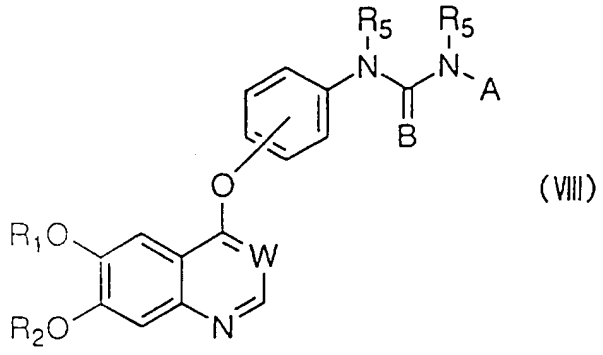
pharmacologically permitted salts thereof



(VII)

(wherein, W is CH or N, j is 0 and k is 1, or j is 1 and k is 0, R1 and R2 are independently C1-5 alkyl, R5 is hydrogen or methyl, and A is methyl, ethyl, propyl, isopropyl, butyl, isobutyl, s-butyl, t-butyl, pentyl, isopentyl, cyclopentyl, cyclohexyl, cycloheptyl, phenyl, naphthyl, furyl, thienyl, pyridyl or pyrimidinyl, and these alkyl groups, aryl groups or heteroaryl groups represented by A may have 1-5 substituents selected from the fluoro, chloro, bromo, iodo, cyano, hydroxy, nitro, amino, methylamino, dimethylamino, diethylamino, dipropylamino, dibutyl amino, trifluoromethyl, methyl, ethyl, propyl, isopropyl, butyl, isobutyl, s-butyl, t-butyl, methoxy, ethoxy, propoxy, isopropoxy or butoxy).

10. Quinoline derivatives and quinazoline derivative represented by formula (VIII), and pharmacologically permitted salts thereof

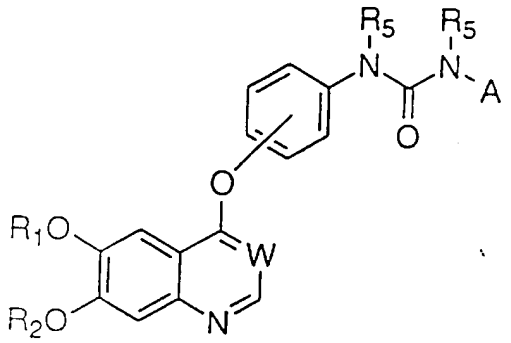


(VIII)

(wherein, W is CH or N, R1 or R2 is independently C1-5 alkyl, R5 is independently hydrogen or methyl, A is C1-6 alkyl, C1-4 alkenyl, cyclopentyl, cyclohexyl, cycloheptyl, C1-4 alkoxycarbonyl, phenyl, naphthyl, furyl, thienyl, benzoyl, acetyl, pyridyl, pyrimidinyl, pyrrolidinyl, piperidinyl, piperazinyl, homopiperazinyl, morpholino, and these alkyl groups, aryl groups or heteroaryl groups represented by A may have 1-5 substituents selected from the halogen, cyano, CO2H, $CONH_2$, hydroxy, nitro, amino, C1-4 alkylamino, di-(C1-4 alkyl) amino, C1-5C acyloxy, C1-5 acyl, C1-4 alkylthio, trifluoromethyl, C1-5 alkyl, C1-4 alkoxyl, C1-4

alkoxycarbonyl, N-(C1-4 alkyl) amide, N,N-di-(C1-4 alkyl) amide, C2-4 alkylamide, ethylenedioxy, phenyl, phenoxy, substituted phenyl, benzoyl, pyridyl, pyrazinyl, pyrimidinyl, pyridazinyl, quinolyl or quinazolinyl, and B is O, S, NH, NCN, NR6 or NOR6 (wherein, R6 is methyl)).

11. Quinoline derivatives and quinazoline derivative represented by formula (IX), and pharmacologically permitted salts thereof



(IX)

(wherein, W is CH or N, R1 and R2 are independently C1-5 alkyl, R5 is independently hydrogen or methyl, A is C1-6 alkyl, C1-4 alkenyl, cyclopentyl, cyclohexyl, cycloheptyl, C1-4 alkoxycarbonyl, phenyl, naphthyl, furyl, thienyl, benzoyl, acetyl, pyridyl, pyrimidinyl, pyrrolidinyl, piperidinyl, piperazinyl, homopiperazinyl, morpholino, and these alkyl groups, aryl groups or heteroaryl groups represented by A may have 1-5 substituents selected from the halogen, cyano, CO2H, $CONH_2$, hydroxy, nitro, amino, C1-4 alkylamino, di-(C1-4 alkyl) amino, C1-5 acyloxy, C1-5 acyl, C1-4 alkylthio, trifluoromethyl, C1-5 alkyl, C1-4 alkoxyl, C1-4 alkoxycarbonyl, N-(C1-4 alkyl) amide, N,N-di-(C1-4 alkyl) amide, C2-4 alkylamide, ethylenedioxy, phenyl, phenoxy, substituted phenyl, benzoyl, pyridyl, pyrazinyl, pyrimidinyl, pyridazinyl, quinolyl or quinazolinyl).

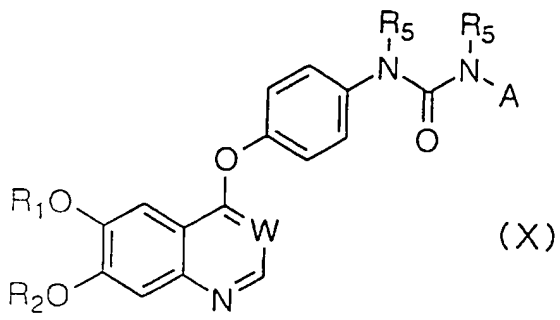
12. Quinoline derivatives in accordance with Claim 8 and pharmacologically permitted salts thereof, wherein in formula (VI), W is CH.

13. Quinoline derivatives in accordance with Claim 9 and pharmacologically permitted salts thereof, wherein in formula (VII), W is CH.

14. Quinoline derivatives in accordance with Claim 10 and pharmacologically permitted salts thereof, wherein in formula (VIII), W is CH.

15. Quinoline derivatives in accordance with Claim 11 and pharmacologically permitted salts thereof, wherein in formula (IX), W is CH.

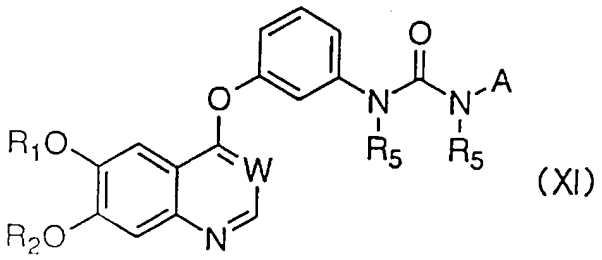
16. Quinoline derivatives and quinazoline derivative represented by formula (X), and pharmacologically permitted salts thereof



(X)

(wherein, W is CH or N, R1 or R2 are independently C1-5 alkyl, R5 is independently hydrogen or methyl, and A is C1-5 alkyl, cyclopentyl, cyclohexyl, cycloheptyl, allyl, C1-4 alkoxycarbonyl, phenyl, naphthyl, benzoyl, and these alkyl groups or aryl groups represented by A may have 1-5 substituents selected from the OH, CO2H, fluoro, chloro, bromo, iodo, nitro, amino, di-(C1-4 alkyl) amino, ethylenedioxy, acetoxy, methylthio, C1-4 alkoxy carbonyl, trifluoromethyl, C1-4 alkyl, C1-4 alkoxy, pyridyl or phenyl).

17. Quinoline derivatives and quinazoline derivative represented by formula (XI), and pharmacologically permitted salts thereof



(XI)

(wherein, W is CH or N, R1 or R2 is independently C1-5 alkyl, R5 is independently hydrogen or methyl, and A is C1-5 alkyl, cyclopentyl, cyclohexyl, cycloheptyl, allyl, C1-4 alkoxycarbonyl, phenyl, naphthyl, benzoyl, and these alkyl groups or aryl groups represented by A may have 1-5 substituents selected from the OH, CO2H, fluoro, chloro, bromo, iodo, nitro, amino, di-(C1-4 alkyl) amino, ethylenedioxy, acetoxy, methylthio, C1-4 alkoxy carbonyl, trifluoromethyl, C1-4 alkyl, C1-4 alkoxy, pyridyl or phenyl).

18. Quinoline derivatives in accordance with Claim 1 and pharmacologically permitted salts thereof, wherein in formula (I), W is CH, X is O, R1 and R2 are both methyl, and Q is represented by in formula (V) [formula (V), j and k are independently 0 or 1, R5 is hydrogen, A is C1-5 alkyl, cyclopentyl, cyclohexyl, cycloheptyl, allyl, C1-4 alkoxy carbonyl, phenyl, naphthyl,

benzoyl, and these alkyl groups, aryl groups or heteroaryl groups represented by A may have 1-5 substituents selected from the OH, CO2H, fluoro, chloro, bromo, iodo, nitro, amino, di-(C1-4 alkyl) amino, ethylenedioxy, acetoxy, methylthio, C1-4 alkoxycarbonyl, trifluoromethyl, C1-4 alkyl, C1-4 alkoxy, pyridyl or phenyl, and B is O, S, NH, NCN, NR6 or NOR6 (wherein, R6 is methyl).

19. A compound in accordance with Claim 16 and pharmacologically permitted salts thereof, wherein in formula (I), W is CH, R1 and R2 are both methyl and R5 are both hydrogen.

20. A compound represented by formula (I) in accordance with Claim 1 and pharmacologically permitted salts thereof, selected from 6,7-dimethoxy-4-(2-methoxyphenoxy) quinoline, 6,7-dimethoxy-4-(3-methoxyphenoxy) quinoline, 6,7-dimethoxy-4-(4-methoxyphenoxy) quinoline, 4-(3-fluoro phenoxy)-6,7-dimethoxy quinoline, 4-(3-hydroxyphenoxy)-6,7-dimethoxy quinoline, 4-(4-bromo phenoxy)-6,7-dimethoxy quinoline, 4-(3,4-dimethoxy phenoxy)-6,7-dimethoxy quinoline, 6,7-dimethoxy-4-(1-naphthyloxy) quinoline, 6,7-dimethoxy-4-(2-naphthyloxy) quinoline, 6,7-dimethoxy-4-(5-methoxy-1-naphthyloxy) quinoline, 6,7-dimethoxy-4-(6-methoxy-2-naphthyloxy) quinoline, 6,7-dimethoxy-4-(7-methoxy-2-naphthyloxy) quinoline, 6,7-dimethoxy-4-(5-quinolyloxy) quinoline, 6,7-dimethoxy-4-(6-quinolyloxy) quinoline, 4-(4-indolyl oxy)-6,7-dimethoxy quinoline, 4-(5-indolyl oxy)-6,7-dimethoxy quinoline, 6,7-dimethoxy-4-(3-methoxyphenyl thio) quinoline and 6,7-dimethoxy-4-(4-methoxyphenyl thio) quinoline.

21. A compound represented by formula (I) in accordance with Claim 1 and pharmacologically permitted salts thereof, selected from the (4-n-butylphenyl) {4-[(6.7-dimethoxy-4-quinolyl) oxy] phenyl) methanone, (4-t-butylphenyl) {4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) methanone, (4-trifluoromethylphenyl) {4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) methanone, (4-t-butylphenyl) {4-[(6,7-dimethoxy-4-quinazolinyl) oxy] phenyl) methanone, (4-t-butylphenyl) {4-[(6,7-dimethoxy-4-quinolyl) methyl] phenyl) methanone, N-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl)-cyclohexane carboxamide, N-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl)-(4-nitrophenyl) carboxamide, N-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl)-(N,N-dimethylaminophenyl) carboxamide, N-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl)-(4-acetylphenyl) carboxamide, N-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl)-(4-n-butylphenyl) carboxamide, N-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl)-(4-butoxy phenyl) carboxamide, N-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl)-(4-bromo phenyl) carboxamide, N-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl)-cyclopentane carboxamide, N-(4-n-butylphenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(4-t-butylphenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(2-trifluoromethylphenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(3-trifluoromethylphenyl)-N'-{4-[(6,7-dimethoxy-

4-quinolyl) oxy] phenyl) urea, N-(4-trifluoromethylphenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(2-methoxyphenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(3-methoxyphenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(4-methoxyphenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(2-fluorophenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(3-fluorophenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(4-fluorophenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(4-acetylphenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl)-N'-n-propyl urea, N-n-butyl-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl urea, N-(2-fluorophenyl)-N'-{4-[(6,7-dimethoxy-4-quinazolinyl) oxy] phenyl) urea, N-(2-methoxyphenyl)-N'-{4-[(6,7-dimethoxy-4-quinazolinyl) oxy] phenyl) urea, N-(3-methoxyphenyl)-N'-{4-[(6,7-dimethoxy-4-quinazolinyl) oxy] phenyl) urea, N-(4-methoxyphenyl)-N'-{4-[(6,7-dimethoxy-4-quinazolinyl) oxy] phenyl) urea, N-n-butyl-N'-{4-[(6,7-dimethoxy-4-quinazolinyl) oxy] phenyl) urea, {4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) [4-morpholino phenyl] methanone, {4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) [4-pyrrolidino phenyl] methanone, {4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) [4-piperidino phenyl] methanone, N-(2,4-dichlorophenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(3,4-dichlorophenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(3,5-dichlorophenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(4-chloro-2-methylphenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(3-amino-4-chlorophenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl)-N'-(2-pyridylmethyl) urea, N-(3,4-difluorophenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(2,4,5-trifluorophenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea and N-(3-chlorophenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea, N-(4-hydroxyphenyl)-N'-{4-[(6,7-dimethoxy-4-quinolyl) oxy] phenyl) urea.

22. A pharmacological composition containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any one of Claims 1-21 having platelet derived growth factor receptor autophosphorylation inhibitory action and pharmacologically permitted salts thereof.

23. A pharmacological composition which can be used in the therapy of tumor, containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any one of Claims 1-21 and pharmacologically permitted salts thereof.

24. A pharmacological composition which can be used in therapy of psoriasis containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any one of Claims 1-21 and pharmacologically permitted salts thereof.

25. A pharmacological composition which can be used in atherosclerosis therapy containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any one of Claims 1-21 and pharmacologically permitted salts thereof.

26. A pharmacological composition which can be used in therapy of restenosis after percutaneous transluminal coronary angioplasty and by-pass plastic surgery, containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any one of Claims 1-21 and pharmacologically permitted salts thereof.

27. A pharmacological composition which can be used in the therapy of glomerular nephritis containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any of Claims 1-21 and pharmacologically permitted salts thereof.

28. A pharmacological composition which can be used in the therapy of organ fibrosis containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any one of Claims 1-21 and pharmacologically permitted salts thereof.

29. A pharmacological composition which can be used in the therapy of leukaemia containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any one of Claims 1-21 and pharmacologically permitted salts thereof.

30. A pharmacological composition which can be used in therapy of rheumatoid arthritis containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any of Claims 1-21 and pharmacologically permitted salts thereof.

31. A pharmacological composition which can be used in the therapy of glomerular nephritis containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any of Claims 5, 8 or 12 and pharmacologically permitted salts thereof.

32. A pharmacological composition which can be used in the therapy of tumors containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any of Claims 7, 10, 11, 14, 15, 16, 17, 19 and pharmacologically permitted salts thereof.

33. A pharmacological composition which can be used in therapy of leukaemia containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any of Claims 7, 10, 11, 14, 15, 16, 17, 19 and pharmacologically permitted

salts thereof.

34. A pharmacological composition which can be used in the therapy of rheumatoid arthritis containing as effective ingredient at least one member selected from the group comprising compounds in accordance with any of Claims 7, 10, 11, 14, 15, 16, 17, 19 and pharmacologically permitted salts thereof.

35. A process for therapy of abnormal tumor growth comprising the administration of a compound in accordance with any of Claims 1-21 in a therapeutically effective dose to a patient requiring therapy for abnormal tumor growth.

36. A process for therapy of psoriasis comprising the administration of a compound in accordance with any one of Claims 1-21 in a therapeutically effective dose to a patient requiring therapy for psoriasis.

37. A process for therapy of atherosclerosis comprising the administration of a compound in accordance with any one of Claims 1-21 in a therapeutically effective dose to a patient requiring therapy for atherosclerosis.

38. A process for therapy of restenosis after percutaneous transluminal coronary angioplasty and by-pass plastic surgery comprising the administration of a compound in accordance with any one of Claims 1-21 in a therapeutically effective dose to a patient requiring therapy for restenosis after percutaneous transluminal coronary angioplasty and bypass plastic surgery.

39. A process for therapy of glomerular nephritis comprising the administration of a compound in accordance with any one of Claims 1-21 in a therapeutically effective dose to a patient requiring therapy for glomerular nephritis.

40. A process for therapy of organ fibrosis comprising the administration of a compound in accordance with any one of Claims 1-21 in a therapeutically effective dose to a patient requiring therapy for organ fibrosis.

41. A process for therapy of leukaemia comprising the administration of a compound in accordance with any one of Claims 1-21 in a therapeutically effective dose to a patient requiring therapy for leukaemia.

42. A process for therapy of rheumatoid arthritis comprising the administration of a compound in accordance with any one of Claims 1-21 in a therapeutically effective dose to a patient

requiring therapy for rheumatoid arthritis.

43. A process for therapy of glomerular nephritis comprising the administration of a compound in accordance with any one of Claims 5, 8, 12 in a therapeutically effective dose to a patient requiring therapy for glomerular nephritis.

44. A process for therapy of tumor comprising the administration of a compound in accordance with any one of Claims 7, 10, 11, 14, 15, 16, 17, 19 in a therapeutically effective dose to a patient requiring therapy for tumor.

45. A process for therapy of leukaemia comprising the administration of a compound in accordance with any one of Claims 7, 10, 11, 14, 15, 16, 17, 19 in a therapeutically effective dose to a patient requiring therapy for leukaemia.

46. A process for therapy of rheumatoid arthritis comprising the administration of a compound in accordance with any one of Claims 7, 10, 11, 14, 15, 16, 17, 19 in a therapeutically effective dose to a patient requiring therapy for rheumatoid arthritis.

47. Use of the compound in accordance with any one of Claims 1-21 to produce a pharmacological composition.

48. Use of the compound in accordance with any one of Claims 7, 10, 11, 14, 15, 16, 17, 19 to produce an antitumor drug.

49. Use of the compound in accordance with any one of Claims 7, 10, 11, 14, 15, 16, 17, 19 to produce a rheumatoid arthritis therapeutic agent.

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